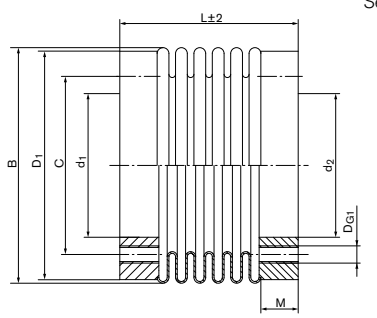
Metal Bellows Couplings
RINGFEDER® GWB CKN
Metal bellows coupling with flange



Sectional view



Size	L	d_1	d_2	B	C	D_1	M
	mm	mm	mm	mm	mm	mm	mm
18	36	22	22	46	31	46	6
18	44	22	22	46	31	46	6
30	30	28	28	56	37	55	7
30	38	28	28	56	37	55	7
60	41	38	38	66	46	64	10
60	51	38	38	66	46	64	10
80	52	50	50	82	62	80	13
80	62	50	50	82	62	80	13
150	52	50	50	82	62	80	13
150	62	50	50	82	62	80	13
200	51	50	50	90	62	90	13
200	63	50	50	90	62	90	13
300	55	65	65	110	80	109	13
300	66	65	65	110	80	109	13
500	61	70	70	122	94	119	16
500	72	70	70	122	94	119	16
800	130	85	85	157	110	152	18
1400	130	85	85	157	110	152	18
3000	130	100	100	199	140	180	25
5000	143	145	145	250	190	230	25

To continue see next page

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Size	T	n_{max}	C_{Tdyn}	ΔK_a	ΔK_w	ΔK_r	J	D_{G1}	T_{A1}	Gw
	Nm	1/min	10^3 Nm/rad	mm	degree	mm	10^{-3}kgm²	mm	Nm	kg
18	22	13900	8	0,5	1,5	0,2	0,05	6 x M5	5,9	0,06
18	22	13900	6	0,5	1,5	0,2	0,05	6 x M5	5,9	0,06
30	36	11000	35	0,4	1,0	0,1	0,09	6 x M5	5,9	0,12
30	36	11000	25	0,5	1,5	0,2	0,09	6 x M5	5,9	0,12
60	75	9000	75	0,4	1,0	0,1	0,16	6 x M6	10	0,19
60	75	9000	50	0,5	1,5	0,2	0,16	6 x M6	10	0,19
80	96	7100	130	0,4	1,0	0,2	0,43	6 x M6	10	0,36
80	96	7100	75	0,5	1,5	0,2	0,43	6 x M6	10	0,36
150	180	7100	150	0,4	1,0	0,2	0,43	6 x M6	15	0,36
150	180	7100	100	0,5	1,5	0,2	0,43	6 x M6	15	0,36
200	240	6600	170	0,4	1,0	0,2	0,80	6 x M6	18	0,48
200	240	6600	120	0,5	1,5	0,2	0,80	6 x M6	18	0,48
300	360	5200	500	0,4	1,0	0,2	1,70	6 x M8	25	0,59
300	360	5200	280	0,5	1,5	0,2	1,70	6 x M8	25	0,59
500	600	4600	680	0,5	1,0	0,2	2,30	6 x M8	36	0,88
500	600	4600	310	1,0	1,5	0,2	2,30	6 x M8	36	0,88
800	960	3700	760	1,0	1,5	0,2	11,00	6 x M16	210	3,74
1400	1680	3700	1300	1,0	1,5	0,2	11,00	6 x M16	210	3,73
3000	3000	3700	2800	1,0	1,5	0,2	47,00	6 x M20	365	7,80
5000	5000	3000	4800	1,0	1,5	0,2	119,00	8 x M20	365	11,74

Explanation

L = Total length
d_1 = Inner diameter
d_2 = Inner diameter
B = Bellow outer diameter
C = Pitch circle diameter
D_1 = Outer diameter
M = Max. depth of thread
T = Transmissible torque at given T_A

n_{max} = Max. rotation speed
C_{Tdyn} = Dynamic torsional stiffness
C_r = Radial spring stiffness
C_a = Axial spring stiffness
ΔK_a = Max. permissible axial misalignment
ΔK_w = Max. permissible angular misalignment
ΔK_r = Max. permissible radial misalignment
J = Total moment of inertia

n_{Sc1} = Quantity of screws D_{G1}
D_{G1} = Thread
T_{A1} = Tightened torque of clamping screw D_{G1}
Gw = Weight

Ordering example

Series/Size	Length	Further details
CKN 150	52	*

* Stainless steel

Further information on
RINGFEDER® GWB CKN
on **www.ringfeder.com**

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